

## WHAT IS CLAIMED IS:

1           1.     A system for preparing imaging data for printing to a  
2 requested web service from an application loaded on a user's computing device,  
3 comprising:

4                 an imaging client computer having a web browser for printing  
5 from the application to the requested web service;

6                 a personal imaging repository associated with a particular user for  
7 storing imaging data that is to be accessed by the requested web service; and,

8                 a capture driver for preparing the imaging data for transfer to said  
9 personal imaging repository;

10                wherein said personal imaging repository is an exchange  
11 infrastructure between the imaging data and available web services on the  
12 Internet.

1           2.     The system as defined in claim 1 wherein said imaging  
2 client computer further comprising user information for associating the user  
3 with said personal imaging repository.

1           3.     The system as defined in claim 2 wherein said user  
2 information is accessed through an extension component of said web browser.

1           4.     The system as defined in claim 1 wherein said personal  
2 imaging repository stores the imaging data in a plurality of file formats.

1           5.     The system as defined in claim 1 wherein said personal  
2 imaging repository comprises an imaging data store for storing imaging data.

1           6.     The system as defined in claim 5 wherein said imaging  
2 data store is assigned to the user associated with said personal imaging  
3 repository for storing imaging data for user usage.

1           7.     The system as defined in claim 5 wherein said imaging  
2 data store is assigned to a web service for storing imaging data available to the  
3 public.

1           8.     The system as defined in claim 1 wherein said personal  
2 imaging repository comprises a composition store for storing imaging  
3 compositions of imaging data serviced as a single unit.

1           9.     The system as defined in claim 8 wherein said imaging  
2 composition further comprising a link reference for each imaging data.

1           10.    The system as defined in claim 1 wherein said capture  
2 driver further comprising:

3               a printer driver for converting the imaging data in a predefined  
4 format suitable for printing to a peripheral device;

5               a port monitor for directing the imaging data to said personal  
6 imaging repository;

7               an uploader mechanism for storing the imaging data onto said  
8 personal imaging repository; and,

9               a conversion mechanism for converting the imaging data into a  
10 default format of the personal imaging repository.

1           11.    The system as defined in claim 10 wherein said predefined  
2 format suitable for printing is page description language.

3           12.    The system as defined in claim 11 wherein said predefined  
4 format suitable for printing is any one from the group consisting of:

5               Postscript Format;

6               Printer Control Language; and,

7               Hewlett Packard Graphics Language.

1           13.    The system as defined in claim 10 wherein said default  
2   format of said personal imaging repository is any one from the group consisting  
3   of:

4                   Joint Photographic Experts Group Format;  
5                   Graphics Interchange Format;  
6                   Portable Network Graphics Format;  
7                   Tagged Image File Format;  
8                   Portable Document Format; and,  
9                   Microsoft Windows bitmap format.

1           14.    A computer for preparing imaging data for printing from  
2   an application to a requested web service, comprising:

3                   a web browser for printing to the requested web service;  
4                   a personal imaging repository associated with a particular user for  
5   storing imaging data that is to be accessed by the requested web service; and,  
6                   a capture driver for preparing the imaging data for transfer to said  
7   personal imaging repository;

8                   wherein said personal imaging repository is an exchange  
9   infrastructure between the imaging data and available web services on the  
10   Internet.

1           15.    A capture driver for preparing the imaging data for  
2   printing from an application located on a client computer with a web browser  
3   to a requested web service, comprising:

4                   a port monitor for directing the imaging data to said personal  
5   imaging repository; and,

6                   an uploader mechanism for storing the imaging data into said  
7   personal imaging repository;

8            wherein said port monitor forwards the web browser to the  
9 requested web service.

10           16. The capture driver as defined in claim 15 further  
11 comprising:

12           a printer driver for converting the imaging data into a predefined  
13 format suitable for printing to a peripheral device; and,

14           a conversion mechanism for converting the imaging data into the  
15 default format of the personal imaging repository.

1           17. A method for preparing imaging data for printing from an  
2 application located on a computer with a web browser and a capture driver  
3 having a printer driver and a port monitor to a requested web service provided  
4 by a web service server, wherein the computer is linked to a personal imaging  
5 repository having an imaging data store for storing the imaging data and a  
6 composition store for storing imaging compositions having links to the imaging  
7 data serviced as a single unit, said method comprising the steps of:

8           transferring the imaging data to the imaging data store;  
9           creating an imaging composition having links to the imaging data  
10 stored in the imaging data store;  
11           saving the imaging composition in the composition store; and,  
12           directing the web browser to the requested web service.

1           18. The method according to claim 17 wherein prior to said  
2 step of transferring the imaging data further comprising the steps of:

3           directing the imaging data to the operating system by the  
4 application; and,

5           directing the imaging data to the printer driver by the operating  
6 system.

1           19.    The method according to claim 17 wherein prior to said  
2 step transferring the imaging data further comprising the steps of:  
3           determining whether the imaging data is in a predefined format  
4 suitable for printing to a peripheral device;  
5           converting the imaging data to the predefined format when the  
6 imaging data is not in the predefined format; and,  
7           directing the imaging data in the predefined format to the  
8 operating system.

1           20.    The method according to claim 19 wherein said step of  
2 directing the imaging data further comprising the steps of:  
3           directing the imaging data in the predefined format to the port  
4 monitor;  
5           receiving the imaging data in the predefined format by the port  
6 monitor;  
7           converting the imaging data in the predefined format to a default  
8 format of the imaging data store.

1           21.    The method according to claim 17 wherein prior said step  
2 of transferring the imaging data further comprising the step of converting the  
3 imaging data into a default format of the imaging data store.

1           22.    A computer program product comprising a computer  
2 usable medium having computer readable program codes embodied in the  
3 medium that when executed cause a computer to:  
4           transfer the imaging data to an imaging data store;  
5           create an imaging composition having links to the imaging data  
6 stored in the imaging data store;  
7           save the imaging composition in a composition store; and,

8           direct a web browser located on the computer to a requested web  
9 service.

1           23.   A computer program product comprising a computer  
2 usable medium having computer readable program codes embodied in the  
3 medium that when installed in a computer having a web browser linked to a  
4 personal imaging repository with an imaging data store for storing the imaging  
5 data and a composition store for storing imaging compositions having links to  
6 the imaging data serviced as a single unit, the product causes the computer to:

7           transfer the imaging data to an imaging data store;  
8           create an imaging composition having links to the imaging data  
9 stored in the imaging data store;  
10          save the imaging composition in a composition store; and,  
11          direct the web browser to a requested web service.

1           24.   A driver comprising a computer usable medium having  
2 computer readable program codes embodied in the medium that when installed  
3 in a computer having a web browser linked to a personal imaging repository  
4 with an imaging data store for storing the imaging data and a composition store  
5 for storing imaging compositions having links to the imaging data serviced as a  
6 single unit, the driver causes the operating system to:

7           transfer the imaging data to an imaging data store;  
8           create an imaging composition having links to the imaging data  
9 stored in the imaging data store;  
10          save the imaging composition in a composition store; and,  
11          direct the web browser to a requested web service.